



## SEQUENCE LISTING

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<120> NOVEL PROPERTY EFFECTING AND/OR PROPERTY EXHIBITING  
COMPOSITIONS FOR THERAPEUTIC AND DIAGNOSTIC USE

&lt;130&gt; ENZ-53(D1)

&lt;140&gt; 08/978,633

&lt;141&gt; 1997-11-25

&lt;150&gt; 08/574,443

&lt;151&gt; 1995-12-15

&lt;160&gt; 63

&lt;170&gt; PatentIn Ver. 3.2

&lt;210&gt; 1

&lt;211&gt; 20

&lt;212&gt; PRT

&lt;213&gt; Influenza B virus

&lt;400&gt; 1

Gly Phe Phe Gly Ala Ile Ala Gly Phe Leu Glu Gly Gly Trp Glu Gly  
1 5 . 10 15Met Ile Ala Gly  
20

&lt;210&gt; 2

&lt;211&gt; 20

&lt;212&gt; DNA

&lt;213&gt; Bacteriophage T7

&lt;400&gt; 2

tgctctctaa gggtctactc

20

&lt;210&gt; 3

&lt;211&gt; 15

&lt;212&gt; DNA

&lt;213&gt; Simian virus 40

&lt;400&gt; 3

ctctaaggta aatat

15

<210> 4  
<211> 16  
<212> DNA  
<213> Simian virus 40

<400> 4  
tgtattttag attcaa 16

<210> 5  
<211> 19  
<212> DNA  
<213> Simian virus 40

<400> 5  
tgctctctaa ggttaaatat 19

<210> 6  
<211> 19  
<212> DNA  
<213> Simian virus 40

<400> 6  
tgtattttag ggtctactc 19

<210> 7  
<211> 19  
<212> RNA  
<213> Bacteriophage T7

<400> 7  
ugcucucuaa gguuuauau 19

<210> 8  
<211> 19  
<212> RNA  
<213> Bacteriophage T7

<400> 8  
uguauuuuag gguguacuc 19

<210> 9  
<211> 20  
<212> RNA  
<213> Bacteriophage T7

<400> 9  
ugcucucuaa ggguguacuc 20

<210> 10  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 10  
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgc 49

<210> 11  
<211> 55  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 11  
gactagttgg tctcgctctt ttttggagg agtgtcggttcc tttagcgatgt taatc 55

<210> 12  
<211> 46  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 12  
ggaattcgtc tcggagaaag gtaaaattct ctgacatcga actggc 46

<210> 13  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 13  
gactagtggt ctccccttag agagcatgtc agc 33

<210> 14  
<211> 33  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 14  
ggaattcgggt ctcgggtcta ctcgggtggcg agg 33

<210> 15  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 15  
gactagtcgt tacgcgaacg caaagtgc 27

<210> 16  
<211> 36  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 16  
ggaattcgtc tctaaggtaa atataaaatt tttaag 36

<210> 17  
<211> 40  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 17  
gactagtcgt ctctgaccct aaaatacaca aacaattaga 40

<210> 18  
<211> 92  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 18  
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctcctccaaa aaagagacga gaccaactag tc 92

<210> 19  
<211> 92  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 19  
gactagttgg gctcgctct ttttggagg aggggcgttc ttagcgatgt taatcggtgc 60  
catggtggtt tgcaagatctc gagacgaaat cc 92

<210> 20  
<211> 73  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 20  
ggaattcgtc gcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60

ctcctccaaa aaa

73

<210> 21

<211> 77

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 21

tctttttt ggaggagtgt cgttcttagc gatgttaatc gtgtccatgg tggtatgcag 60  
agctcgagac gaattcc 77

<210> 22

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 22

ggaattcgtc tcg

13

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 23

gagaaaggtaa aattctctg acatcgaact ggc

33

<210> 24

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 24

tctccgagac gaattcc

17

<210> 25

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 25  
ttccatTTTA agagactgta gcttgaccg 29

<210> 26  
<211> 106  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 26  
ggaattcgtc tcgagctctg atcaccacca tggacacgat taacatcgct aagaacgaca 60  
ctcctccaaa aaagagaaaag gtAAAATTCT ctgacatcga actggc 106

<210> 27  
<211> 106  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 27  
gccagttcga tgtcagagaa ttttacctt ctcttttg gaggagtgtc gttcttagcg 60  
atgttaatcg tgtccatggt ggtagtcaga gctcgagacg aattcc 106

<210> 28  
<211> 50  
<212> DNA  
<213> Bacteriophage T7

<400> 28  
atggacacga ttaacatcgc taagaacgac ttctctgaca tcgaactggc 50

<210> 29  
<211> 50  
<212> DNA  
<213> Bacteriophage T7

<400> 29  
gccagttcga tgtcagagaa gtcgttctta gcgtatgttAA tcgtgtccat 50

<210> 30  
<211> 77  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 30  
atggacacga ttaacatcgc taagaacgac actcctccaa aaaagagaaa ggtAAAATTc 60  
tctgacatcga aactggc 77

<210> 31  
<211> 77  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 31  
gccagttcga tgtcagagaa ttttacctt ctcttttg gaggagtgtc gttcttagcg 60  
atgttaatcg tgtccat 77

<210> 32  
<211> 69  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 32  
gatcattaga ccagatctga gcctggagc tctctggcta actaggaaac ccactgctta 60  
agcctcaag 69

<210> 33  
<211> 69  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 33  
gatcctttag gcttaagcag tgggttccct agttagccag agagctccca ggctcagatc 60  
tggtctaatt 69

<210> 34  
<211> 61  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 34  
gatcacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
g 61

<210> 35  
<211> 61  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 35  
gatccttgag gaggtcttcg tcgctgtctc cgcttcttcc tgccatagga gaggctaagg 60  
t 61

<210> 36  
<211> 62  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 36  
gatcatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacacctccc 60  
ag 62

<210> 37  
<211> 62  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 37  
gatcctggga ggtgggtctg aaacgataat ggtgagttac cctgcctaac tctattcact 60  
at 62

<210> 38  
<211> 30  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 38  
aatcttagagc taacaaagcc cgaaaggaag 30

<210> 39  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 39  
ttctgcagat atagttcctc ctttcagc 28

<210> 40  
<211> 70  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 40  
tcgagccatg gcttaaggat ccgtacgtcc ggagctagcg ggcccatcga tactagttaa 60  
atgcagatct 70

<210> 41  
<211> 70  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 41  
ctagagatct gcatttaact agtatcgatg ggcccgctag ctccggacgt acggatcctt 60  
aagccatggc 70

<210> 42  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 42  
catgaaatta attcgactca ctatacgga 29

<210> 43  
  
<211> 29  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 43  
gatctccgta tagtgagtgc aatataattt 29

<210> 44  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 44  
gatccggatt gaggcttaag cagtgggttc cctagttgc cagagagctc ccaggctcag 60  
atctggtcta at 72

<210> 45  
<211> 72  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 45  
ccggattaga ccagatctga gcctgggagc tctctggcta actaggaaac ccactgctta 60  
agcctcaatc cg 72

<210> 46  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 46  
gatccggacc ttgaggaggt cttcgtcgct gtctccgctt cttcctgcc a taggagagcc 60  
taaggt 66

<210> 47  
<211> 66  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 47  
ccggacctta ggctctccta tggcaggaag aagcggagac agcgacgaag acctcctcaa 60  
ggtccg 66

<210> 48  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 48  
gatccggatg ggaggtgggt ctgaaacgat aatggtgagt atccctgcct aactctattc 60  
actat 65

<210> 49  
<211> 65  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 49  
ccgatagtg aatagagtta ggcagggata ctcaccatta tcgtttcaga cccacctccc 60  
atccg 65

<210> 50  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 50  
gatcagcatg cctgcaggc gactctagac ccgggtaccg agctcgccct atagttagtc 60  
gttattat 67

<210> 51  
<211> 67  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 51  
ccggataata cgactcacta tagggcgagc tcggtagccg ggtctagagt cgacctgcag 60  
gcatgct 67

<210> 52  
<211> 12  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 52  
tttttttt tt 12

<210> 53  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 53  
aaaaaaaaaa aaaaa 15

<210> 54  
<211> 15  
<212> DNA  
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 54

ttttttttt ttttt

15

<210> 55

<211> 20

<212> DNA

<213> Simian virus 40

<400> 55

gagtagaccc ttagagagca

20

<210> 56

<211> 15

<212> DNA

<213> Simian virus 40

<400> 56

gagattccat ttata

15

<210> 57

<211> 17

<212> DNA

<213> Simian virus 40

<400> 57

acataaaaat ctaagtt

17

<210> 58

<211> 19

<212> DNA

<213> Simian virus 40

<400> 58

tataaatgga atctctcggt

19

<210> 59

<211> 19

<212> DNA

<213> Simian virus 40

<400> 59

ctcatctggg attttatgt

19

<210> 60

<211> 164

<212> DNA

<213> Homo sapiens

<400> 60  
atacttacct ggcaggggag ataccatgat cacgaagggtg gttttcccag ggcgaggcct 60  
atccattgca ctccggatgt gctgaccct gcgatttcgc caaatgtggg aaactcgact 120  
gcataatttg tggtagtggg ggactgcgtt cgcgcttcc cctg 164

<210> 61  
<211> 191  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic U1  
construct with Anti-A

<400> 61  
atacttacct ggcaggggag ataccatgat ccggattgag gcttaagcag tgggttccct 60  
agttagccag agagctccca ggctcagatc tggtgtaatc cgatgtgct gaccctgcg 120  
atccccaa atgtgggaaa ctcgactgca taatttgagg tagtggggga ctgcgttcgc 180  
gcttccct g 191

<210> 62  
<211> 181  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic U1  
construct with Anti-B

<400> 62  
atacttacct ggcaggggag ataccatcg accttggaga ggtcttcgtc gctgtctccg 60  
cttcttcctg cgataggaga gcctaaggc cgatgtgct gaccctgcg atccccaa 120  
atgtgggaaa ctcgactgca taatttgagg tagtggggga ctgcgttcgc gcttccct 180  
g 181

<210> 63  
<211> 178  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Synthetic U1  
construct with Anti-C

<400> 63  
atacttacct ggcaggggag ataccatgat aatgggaggt ggtctgaaa cgataatgg 60  
gagtatccct gcctaagtct attcaatc atgtgctgac ccctgcgact tccccaaatg 120  
tggaaactc gactgcataa tttgtggtag tggtggactg cgtccgcgct ttccccctg 178